Examples 1.4 – Integrals of Constant Functions

1. Evaluate each of the following.

   (a) \((9x - 12)’\)     (b) \(\int 9 \, dt\)     (c) \((2.991 - 0.423u)’\)     (d) \(\int (-0.423) \, dT\)

   **Solution:**

2. If a savings account increases by $110 per month, then how much money is saved from month 5 to month 10?

   **Solution:**

3. Evaluate \(\int_{-3}^{6} (-4) \, dx\) and sketch the geometrical interpretation of the answer.

   **Solution:**